

## TOOL-A-THON®

Volume 19.2



Visit us at booth #3251



May 14-16 | Eastern States Exposition • West Springfield, MA

Valid May 1st - Aug. 31st

www.fowlerprecision.com

















- · IP67 rated
- · Available with or without Bluetooth
- · Heavy duty frame
- · Extra large display
- NOW available with ISO Cert







Order No.	Description	Accuracy	Resolution	List Price	Sale Price
Without Data Ou	ıtput				
54-100-177-0	6"/150mm	0.0008"/20 <i>µ</i> m	0.0005"/0.01mm	\$119.65	\$105.00
54-100-178-0	8"/200mm	0.0012"/30 <i>µ</i> m	0.0005"/0.01mm	244.49	215.00
54-100-179-0	12"/300mm	0.0012"/30 <i>µ</i> m	0.0005"/0.01mm	327.73	295.00
Bluetooth					
54-100-167-0	6"/150mm	0.0008"/20 <i>µ</i> m	0.0005"/0.01mm	\$344.36	\$295.00
54-100-167-C	6"/150mm with IS	O/A2LA Certification			324.00
54-100-168-0	8"/200mm	0.0012"/30 <i>µ</i> m	0.0005"/0.01mm	639.48	495.00
54-100-169-0	12"/300mm	0.0012"/30 <i>µ</i> m	0.0005"/0.01mm	852.07	650.00
Accessory					
54-115-246-BT	USB bluetooth red	eiver		\$50.24	\$45.00

#### **Ultra-Cal V Electronic Calipers**



- depth and step (6" & 8" models)
- · Hardened stainless steel construction
- · Direct RS232 output
- · Features Absolute/Relative Measuring Modes
- · Thumbroll (6" and 8" models only)
- · NOW available with ISO Cert







Order No.	Description	Accuracy	Resolution	List Price	Sale Price	
54-100-667-0	Buy 5 standard 6	"/150mm		\$1033.05	\$825.00	
	Electronic Calipe	ers (54-100-067-1), Get	1 FREE			
54-100-067-1	6"/150mm	0.0008"/20µm	0.0005"/0.01mm	\$206.61	\$165.00	
54-100-067-C	6"/150mm with IS	O/A2LA Certification			194.00	
54-100-068-1	8"/200mm	0.0012"/30µm	0.0005"/0.01mm	491.87	370.00	
54-100-069-1	12"/300mm	0.0012"/30µm	0.0005"/0.01mm	590.24	490.00	
Connectivity Cables						
54-115-526-0	Proximity cable w	th USB connection		\$141.57	\$125.00	
54-115-527-0	Proximity cable w	th serial connection		141.57	125.00	

#### Ultra-Cal VI Proximity Electronic Calipers









- · IP67 rated
- · Ultra-Cal VI technology with proximity cable data output
- · Heavy duty frame
- · Extra large display

Order No.	Description	Accuracy	Resolution	List Price	Sale Price	
54-100-444-1	6"/150mm	0.0008"/20 <i>µ</i> m	0.0005"/0.01mm	\$161.26	\$140.00	
54-100-448-1	8"/200mm	0.0012"/30 <i>µ</i> m	0.0005"/0.01mm	291.31	250.00	
54-100-412-1	12"/300mm	0.0012"/30 <i>µ</i> m	0.0005"/0.01mm	390.15	350.00	
Connectivity Cables						
54-115-526-0 Proximity cable with USB connection			\$141.57	\$125.00		
54-115-527-0	Proximity cable v	vith serial connection		141.57	125.00	

## MICTON 0.00005" Electronic Caliper



### Absolute Reading!

- High resolution: 0.00005"/0.001mm
- Accuracy up to 4": 0.0006"/0.015mm
  Accuracy above 4": 0.0012"/0.03mm
- Accuracy above 4": 0.0012"/0.03mn
   Repeatability: 0.00016"/0.004mm
- He are duty from (0.5----)



· Bluetooth connectivity









Order No.	Description	List Price	Sale Price
54-100-100-0 Accessory	6"/150mm Micron Electronic Caliper	\$400.07	\$325.00
54-115-246-BT	USB bluetooth receiver	\$50.24	\$45.00











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The Fowler-Sylvac Ultralight IV, new design, new features, built-in Bluetooth transmitter. Discover our amazing Ultralight long range calipers.

Fowler-Sylvac Ultralight IV

**Electronic Calipers** 



- New reinforced frame
   XXL display with 0.79"/20mm high digits
  - Increased accuracyLengthened jaws 7.9"/200mm
  - Includes upper ID measuring pins (5mm dia.)
    New system for internal measurement
  - Protected to IP67
  - · Moveable left jaw
  - · Stainless steel titanium coated jaws
  - Hold feature
  - Preset function
  - · Min/Max functions
  - Tolerance mode
  - · Internal and external measurement indicator
  - · New twin guided main beam





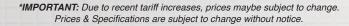




## Alternative jaws available, contact the Fowler Technical Department for more information 1-800-788-2353

<u>Specifications</u>	54-110-512-0	54-110-524-0	54-110-540-0	54-110-560-0	54-110-580-0	54-110-600-0
Measuring Range	0-15"/0-400mm	0-24"/0-600mm	0-40"/0-1000mm	0-60"/0-1500mm	0-80"/0-2000mm	0-100"/0-2500mm
Maximum Error	30μm/0.0012"	40μm/0.0016"	50μm/0.002"	90μm/0.0035"	120µm/0.0048"	200μm/0.0078"
Repeatability	20μm/0.0008" 30μm/0.0012"					2"
Measuring Force	5 - 10 N					
Connection	Bluetooth Smart/Proxi RS-232 or - USB					
Protection Rating	IP67 (Electronic Module)					
Preset Max.	±9999.99 mm / ±399.9995 IN					
Weight	1.5 kg	1.6 kg	1.9 kg	2.3 kg	2.6 kg	2.9 kg

Order No.	Range	List Price	Sale Price
54-110-512-0	0 - 15"/0 - 400mm	\$2102.65	\$1830.00
54-110-524-0	0 - 24"/0 - 600mm	2454.30	2175.00
54-110-540-0	0 - 40"/0- 1000mm	2824.69	2540.00
54-110-560-0	0 - 60"/0 - 1500mm	4246.91	3830.00
54-110-580-0	0 - 80"/0 - 2000mm - special order	5851.21	5200.00
54-110-600-0	0 - 100"/0 - 2500mm - special order	7070.56	6400.00
Connectivity Cables/Acc	essory		
54-115-526-0	Proximity USB Cable	\$141.57	\$125.00
54-115-527-0	Proximity Serial Cable	141.57	125.00
54-115-246-BT	USB Bluetooth Receiver	50.24	45.00



## Rapid-Mic Quick-Displacement Electronic Micrometers



NOW vailable with ISO Cert. \*\*I have been in the machining business for over 30 years this is by far the best mic I have ever had. One little thing or should I rephrase that, one huge thing, this mic comes with a lifetime warranty... no other company can provide that!

John T.

#### **NEW Bluetooth Ranges NOW Available!**

- Position recall
- · Delrin quick displacement thimble
- · Adjustable measuring force, 5N/10N (54-815-030-0 only)
- · Menu customizable with free software
- Non-rotating spindle, 10mm/spindle rotation
- USB output or bluetooth available













54-			

Order No.	Description	Max Error	List Price	Sale Price
54-815-030-0	0 - 1.18"/0 - 30mm	0.00012"/0.003mm	\$535.59	\$435.00
54-815-030-C	1.18"/30mm with ISO/A2LA	Certification		460.00
54-815-060-0	1.18" - 2.6"/30 - 66mm	0.00016"/0.004mm	792.51	710.00
54-815-100-0	2.6" - 4.0"/66 - 102mm	0.00020"/0.005mm	1108.33	960.00
Set				
54-815-111-0	0 - 4"/0 - 102mm		\$2416.85	\$1995.00
Bluetooth Model				
54-815-130-0	0 - 1.18"/0 - 30mm	0.00012"/0.003mm	\$792.51	\$669.00
54-815-160-0	1.18" - 2.6"/30 - 66mm	0.00016"/0.004mm	1048.72	955.00
54-815-110-0	2.6" - 4.0"/66 - 102mm	0.00020"/0.005mm	1365.00	1199.00
Bluetooth Set				
54-815-112-0	0 - 4"/0 - 102mm		\$2997.39	\$2499.00
Connectivity Cabl	es/Accessory			
54-115-526-0	Proximity cable with USB con	nection	\$141.57	\$125.00
54-115-527-0	Proximity cable with serial co	nnection	141.57	125.00
54-115-246-BT	USB Bluetooth receiver		50.24	45.00













We are so confident that these Fowler-Sylvac Mark VI electronic indicators are the most accurate, most dependable, best made products you can buy, we are extending the warranty to last a lifetime!

Quality, accuracy, dependability, world-class customer service and now a real Lifetime Warranty!

No Gimmicks No Hurdles NO NONGENGE



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#### **Mark VI Electronic Indicators**

- · Robust construction
- Repeatability: 2µm
- · Output: Proximity/Power -USB/RS232/digimatic/Wireless
- · Menus customizable with free software
- · Wide range of functions (MIN/MAX/DELTA, TOL, Factor, Preset. Auto Off, etc)
- Bezel rotates 270°
- · Large display with LED tolerance indicators
- · Includes lug back



This Button is programmable for common functions

54-530-135-0

## available with ISO Cert.













Order No.	Description	Maximum Error	Resolution	List Price	Sale Price
54-530-125-0	0 - 0.500"/12.5mm	0.0004"/0.01mm	0.0005"/0.01mm	\$448.16	\$395.00
54-530-135-0	0 - 0.500"/12.5mm	0.00012"/0.003mm	0.00005"/0.001mm	573.85	499.00
54-530-145-0	0 - 1"/25mm	0.0004"/0.01mm	0.0005"/0.01mm	511.50	450.00
54-530-155-0	0 - 1"/25mm	0.00016"/0.004mm	0.00005"/0.001mm	612.11	540.00
54-530-155-C	0 - 1"/25mm with IS	O/A2LA Certification			565.00
54-530-175-0	0 - 2"/50mm	0.00019"/0.005mm	0.00005"/0.001mm	\$1158.63	1015.00
Bluetooth					
54-530-335-0	0 - 0.500"/12.5mm	0.00012"/0.003mm	0.00005"/0.001mm	\$710.48	\$620.00
54-530-355-0	0 - 1"/25mm	0.00016"/0.004mm	0.00005"/0.001mm	759.72	665.00
Accessory					
54-115-246-BT	USB Bluetooth Rece	eiver		\$50.24	\$45.00
Analog Display					
54-530-535-0	0 - 0.500"/12.5mm	0.00012"/0.003mm	0.00005"/0.001mm	\$644.90	\$565.00
54-530-555-0	0 - 1.00"/25mm	0.00016"/0.004mm	0.00005"/0.001mm	705.06	615.00



## Multimode Electronic Test Indicators

The QuadraTest is the perfect solution to test indicating applications

- · 4 measuring modes: Min, Max, TIR and Direct
- 4 measuring resolutions 0.00005"/0.001mm or 0.0005"/0.01mm
- · Water, oil and coolant resistant to IP65
- 1-1/2" diameter dial face rotates a full 360°
- · Bar graph and numeric digital display
- Meets or exceeds DIN/ISO Standards (Maximum error on .00005" scale at full range: 0.0004")
- Available with 1/2" or extra-long 1-7/16" contact point













Order No.	Range	Contact Point Length	List Price	Sale Price
54-562-777-0	0.040"/1mm	1/2"	\$234.00	\$210.00
54-562-888-0 Accessory	0.020"/0.5mm	1-7/16"	345.42	310.00
54-115-528-0	Output Cable USB		\$240.47	\$220.00

#### Hi\_Gage One

The Fowler-Sylvac measuring system is exceptionally fast (60" per second traverse) and is the most reliable and maintenance free system ever created for measurement.

- · True inch/metric conversion
- Resolution: 0.0005"/0.01mm
- Repeatability: 0.0004"/10µm
- · Base size: 5.6" wide x 6.8" length
- · Accuracy 0.0016"/0.002"
- · Includes scriber/measuring probe
- · Direct RS-232 output
- · Scale not affected by oil, dust, chips, magnetism, shock, etc.









54-212-024-1

Order No.	Range	List Price	Sale Price
54-212-016-1	16"/400mm	\$1513.91	\$1200.00
54-212-024-1	24"/600mm	1885.56	1400.00
Cables			
54-115-526-0	Proximity Cable with USB Connection	\$141.57	\$125.00
54-115-527-0	Proximity Cable with Serial Connection	141.57	125.00















#### Fowler - Sylvac Hi Cal **Electronic Height Gages**

- · Extra low measuring force, from 0.2N
- · Measure internal and external diameters, centerlines, heights, widths, depths and MIN/MAX/TIR capability
- Excellent repeatability thanks to the motorized carriage
- · High reliability
- · Data output USB and RS232
- · Battery life: 40 hours rechargeable during operation
- · Touch sensitive probe speed for easy operation
- · Base with small footprint
- · Includes: protective cover, charging set, ruby ball probe Ø3mm, setting gage and calibration certificate





Accessory Probe Sets





Watch the Demo!

54-930-215-0











mm Ball Probe with



Range 6"/150mm

6"/150mm with ISO/A2LA Certification

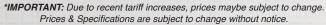
12"/300mm

12"/300mm with ISO/A2LA Certification

17 5"/450mm

17.5"/450mm with ISO/A2LA Certification

Full Probe Accessory Set Basic Probe Accessory Set







## 6"/150mm & 12"/300mm Hi\_Cal Purchase

Accuracy	List Price	Sale Price
0.00013"/0.0034mm	\$4849.82	\$4300.00
		4550.00
0.00016"/0.0042mm	5573.46	5015.00
		5365.00
0.00020"/0.005mm	6093.03	5475.00
		5825.00
	\$1138.15	\$1025.00
	617.62	555.00

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## V-Series Special Pricing!

#### Fowler - Trimos V3, V4 & V5 **Electronic Height Gages**

The Fowler-Trimos V3, V4 and V5 vertical measuring instruments have been developed for the most difficult workshop environments. Manufactured in their entirety in Switzerland, they guarantee a robust, precise and reliable product in the long run.

- · "Black mask" display with user friendly functions
- Electronically adjustable measuring force 0.75/1.5 (N)
- · Lithium-ion rechargeable batteries
- · All adjustments possible without tools
- · Cast iron base for optimal stability
- RS232 and USB interfaces requires 54-192-112-0 cable
- Dual probe holders (V4 and V5 Only)
- · Carriage displacement: Manual

#### (V5 includes selectable manual or motorized carriage displacement)

- Measures heights, diameters, perpendicularity, centerlines, Min/Max/Delta
- Resolution: 0.00005"/0.001mm
- Repeatability (2s): 0.00008"/0.002mm (Ø 0.00016"/0.004mm)

#### All V Models Include:

- · Charging unit
- · Measuring insert with ruby ball Ø4mm
- · Probe holder elbow Ø 8mm
- Setting gage
- · User's manual and test certificate

V3	54-192-340-0	54-192-370-0
Measuring Range	16"/407mm	28"/711mm
Range with Probe inverted	20"/508mm	31.9"/812mm
Max. Permissible Errors	0.00028"/0.007mm	0.00032"/0.008mm
Frontal Squareness Deviation	0.0004"/0.010mm	0.0006"/0.015mm
Air Cushion	NO	

V4	54-191-440-0	54-191-470-0
Measuring Range	16"/407mm	28"/711mm
Range with Probe inverted	28.3"/719mm	40.2"/1023mm
Max. Permissible Errors	0.0002"/0.005mm	0.00028"/0.007mm
Frontal Squareness Deviation	0.0004"/0.010mm	0.0006"/0.015mm
Air Cushion	YES	

54-199-540-0	54-199-570-0	54-199-590-0
16"/407mm	28"/711mm	43.7"/1110mm
28.3"/719mm	40.2"/1023mm	56"/1422mm
	2.5 + L(mm)/300	
0.0002"/0.005mm	0.00032"/.008mm	0.00043"/0.011mm
	YES	
	16"/407mm 28.3"/719mm	16"/407mm 28"/711mm 28.3"/719mm 40.2"/1023mm 2.5 + L(mm)/300 0.0002"/0.005mm 0.00032"/.008mm

Order No.	Description	Range	List Price	Sale Price
54-192-340-0	V3 Height Gage	16"/407mm	\$4543.03	\$3800.00
54-192-370-0	V3 Height Gage	28"/711mm	5008.90	4505.00
54-191-440-0	V4 Height Gage	16"/407mm	5984.16	4980.00
54-191-470-0	V4 Height Gage	28"/711mm	6961.52	5200.00
54-199-540-0	V5 Height Gage	16"/407mm	6595.41	5450.00
54-199-570-0	V5 Height Gage	28"/711mm	7815.80	6500.00
54-199-590-0	V5 Height Gage	43"/1100mm	12,090.35	9950.00
Probe Sets				
54-199-105-0	4mm Probe Set, 21 piece		\$1747.81	\$1540.00
54-199-106-0	8mm Probe Set, 16 piece		1304.22	1200.00
54-199-107-0	Economy Probe Set, 7 piece		462.98	424.00
Accessories				
54-199-400-0	12"/300mm Holder - for 8mm p	orobes	\$978.33	\$850.00
54-777-120-0	Vmux software - for connecting	multiple units to one PC	460.80	390.00











\*IMPORTANT: Due to recent tariff increases, prices maybe subject to change.

Prices & Specifications are subject to change without notice.

You





- Self centering 3 point heads above 0.250"
- · USB connectivity and Bluetooth
- · Resolution: 0.00005"/0.001mm
- · IP67 rated
- · To reduce hand fatigue, the travel of the Holematic trigger is adjustable for minimum over travel

Watch the Demo!

• Tungsten carbide measuring faces on all 3-point heads from 0.5" (12.5mm) and up

54-567-050-BT

- · Sizes over 0.500" (12.5mm) feature blind bore capability
- · Includes UKAS certificates for all pistol grip, heads and rings

#### Contact the Fowler Technical Department for special measuring applications

Order No.	Range	Includes	List Price	Sale Price
54-567-009-BT	0.080" - 0.250"/2 - 6mm (2-point heads)	5 heads, 1 handle, 3 rings	\$6260.07	\$5090.00
54-567-010-BT	0.250" - 0.375"/6- 10mm	2 heads, 1 handle, 1 ring	2454.58	1995.00
54-567-020-BT	0.375" - 0.750"/10 - 20mm	3 heads, 1 handle, 2 rings	2871.63	2335.00
54-567-050-BT	0.750" - 2" /20 - 50mm	3 heads, 1 handle, 2 rings	3707.86	3015.00
54-567-100-BT	2 - 4"/50 - 100mm	3 heads, 1 handle, 2 rings	4127.04	3355.00
54-567-105-BT	4 - 6"/100 - 150mm	2 heads, 1 handle, 1 ring	3707.86	3015.00
54-567-110-BT	6 - 8" /150 - 200mm	2 heads, 1 handle, 1 ring	4894.29	3980.00
54-567-200-BT	4 - 8" /100 - 200mm	4 heads, 1 handle, 2 rings	7746.82	6300.00
54-567-210-BT	0.750" - 4" /20 - 100mm	6 heads, 1 handle, 4 rings	6034.02	4900.00
54-567-620-BT	0.250" - 0.750" 76 - 20mm	5 heads, 1 handle, 3 rings	3422.40	2780.00
Connectivity Ca	ables/Accessory	_		
54-115-526-0	Proximity cable with USB connection		\$141.57	\$125.00
54-115-527-0	Proximity cable with serial connection		141.57	125.00
54-115-246-BT	USB bluetooth receiver		50.24	45.00

## Fowler-Bowers BLUETOOTH XTD3 Electronic Holemike Sets



- · Self centering 3 point heads above 0.250"
- · USB connectivity and Bluetooth
- Resolution: 0.00005"/0.001mm
- IP67 rated
- · Ratchet stop for consistent measurement
- Sizes over 1"/25mm offer extended travel
- · Includes UKAS certificates for micrometer, heads and settings rings

#### Contact the Fowler Technical Department for special measuring applications

Order No.	Range	Includes	List Price	Sale Price
54-367-000-BT	0.080" - 0.250"/2 - 6mm (2-point heads)	5 heads, 1 handle, 3 rings	\$5705.05	\$4640.00
54-367-010-BT	0.250" - 0.375"/6- 10mm	2 heads, 1 handle, 1 ring	2377.11	1930.00
54-367-020-BT	0.375" - 0.750"/10 - 20mm	3 heads, 1 handle, 2 rings	2836.61	2300.00
54-367-050-BT	0.750" - 2" /20 - 50mm	3 heads, 1 handle, 2 rings	3852.18	3130.00
54-367-100-BT	2 - 4"/50 - 100mm	3 heads, 1 handle, 2 rings	4265.00	3465.00
54-367-105-BT	4 - 6"/100 - 150mm	2 heads, 1 handle, 1 ring	3600.68	2925.00
54-367-110-BT	6 - 8" /150 - 200mm	2 heads, 1 handle, 1 ring	4756.33	3865.00
54-367-200-BT	4 - 8" /100 - 200mm	4 heads, 1 handle, 2 rings	7515.47	6110.00
Connectivity Ca	ables/Accessory			
54-115-526-0	Proximity cable with USB connection		\$141.57	\$125.00
54-115-527-0	Proximity cable with serial connection		141.57	125.00
54-115-246-BT	USB bluetooth receiver		50.24	45.00









## XT-Series Holemikes Special Pricing!

Fowler-Bowers **XT-Series Holemikes** 





The Fowler-Bowers range of mechanical two and three point bore micrometers are now available as XT extended travel holemikes, allowing a wide measurement range without the need to interchange



- 3-pt contact with tungsten carbide measuring anvils above 0.5"
- Blind bore measuring heads featured above 0.5"
- Ratchet stop for consistent measuring
- · Extensions available for deep measuring
- Includes UKAS certificates for all Holemikes and setting rings

				weas.	Ring	LIST	Sale
Order No.	Range	Grads.	Accuracy	Depth	Included	Price	Price
52-255-310-0	0.250" - 0.312"	0.00025"	0.00015"	2.28"	0.312"	\$737.86	\$508.50
52-255-311-0	0.312" - 0.375"	0.00025"	0.00015"	2.28"	0.312"	683.21	472.50
52-255-312-0	0.375" - 0.500"	0.00025"	0.00015"	2.28"	0.5"	683.21	472.50
52-255-313-0	0.500" - 0.625"	0.00025"	0.00015"	2.44"	0.5"	683.21	472.50
52-255-314-0	0.625" - 0.750"	0.00025"	0.00015"	2.44"	0.75"	700.61	481.50
52-255-315-0	0.750" - 1"	0.00025"	0.00015"	2.60"	0.75"	769.48	531.00
52-255-316-0	1" - 1.375"	0.00025"	0.00015"	2.60"	1.375"	1096.34	756.00
52-255-317-0	1.375" - 2"	0.00025"	0.00015"	3.15"	1.375"	1122.55	774.00
52-255-318-0	2" - 2.625"	0.00025"	0.0002"	3.15"	2.625"	1339.04	927.00
52-255-319-0	2.625" - 3.250"	0.00025"	0.0002"	3.15"	2.625"	1351.02	936.00
52-255-320-0	3.250" - 4"	0.00025"	0.0002"	3.94"	3.25"	1685.52	1165.50

#### Fowler-Bowers XT-Series Holemike Sets

Order No.	Range	Includes	List Price	Sale Price
52-255-565-0	0.250" - 0.375"	2 heads, 2 handles, 1 ring	\$1638.31	\$1134.00
52-255-665-0	0.375" - 0.750"	3 heads, 3 handles, 2 rings	1865.31	1287.00
52-255-775-0	0.750" - 2"	3 heads, 3 handles, 2 rings	2931.59	2025.00
52-255-885-0	2" - 4"	3 heads, 3 handles, 2 rings	3974.33	2889.00

## Still Using Pin Gages?

#### **MicroGage**

2-Point Small **Bore Gaging System** 









The Fowler-Bowers MicroGage 2-point bore gaging system has been designed specifically for the measurement of small bores between 1.0 - 6.0 mm. The measuring heads are equipped with spherical, split-ball, hard-chromed contact points.

- System range: 0.040" 0.250"/1 6mm
- Switchable resolution 0.0005"
- 0.00005"/0.01, 0.001, 0.0005mm
- Repeatability: 0.00005"/0.001mm
- · Sets include setting rings
- UKAS-certificates as standard with all setting rings
- Depth stops available

Order No.	Description	List Price	Sale Price
54-551-010-0	0.037" - 0.096"/0.95 - 2.45mm	\$3248.57	\$2900.00
54-551-011-0	0.060" - 0.167"/1.5 - 4.25mm	3179.38	2800.00
54-551-012-0	0.089" - 0.250"/2.25 - 6.35mm	3351.93	3000.00
54-551-013-0	0.242" - 0.405"/6.15 - 10.35mm	2950.00	2650.00
Connectivity Cables			
54-115-526-0	Proximity cable with USB connection	\$141.57	\$125.00
54-115-527-0	Proximity cable with serial connection	141.57	125.00

#### **Premium Dial Caliper**



- 0 6" range, 0.100" per revolution, 0.001" graduations
- · Thumbroll for rapid setting
- · Knurled lock assures precise settings

Order No. 52-008-006-2\*

*Sale \$110.00* 

Silky smooth movement throughout

List \$147.12

#### **Machinist Grade Dial Calipers**



"Very precise with consistent readings. I would never change this analog for a digital one Erick T.

52-008-709-0

4-way measuring

Order No.

52-008-706-0\*

52-008-707-0\*

52-008-708-0\*

52-008-712-0\*

52-008-709-0\*

- · Solid stainless steel construction
- · 0.100"/2mm range per revolution
- · 0.001"/0.02mm reading dial face
- · Tough shockproof gearing



Accuracy

± 0.001

± 0.001"

± 0.0015"

± 0.002"

± 0.02mm



98.00

61.00

131.81

81.60

#### 0 - 6" Dial Calipers

Range

0 - 6'

0 - 6"

0 - 8"

0 - 12"

0 - 150mm (Metric Model)



Color

White

Black

White

White

**Yellow** 

Order No.	Range	Dial Face Color	Accuracy	List Price	Sale Price
52-008-005-0*	0 - 6"/150mm	Black	± 0.001"	\$93.33	\$60.00
52-008-007-0*	0 - 6"/150mm	White	± 0.001"	86.70	60.00













#### **Electronic Calipers**

with Smart Wireless Communication



- NEW HID Interface allows connection to most bluetooth enabled devices
- · Extra battery tray and 1" standard included
- Supplied with NIST certification
- · Heavy duty frame with 4 way measuring
- · Super large display
- · Wireless in a value priced electronic caliper
- Protected to IP67





Order No.	Range	Accuracy	List Price	Sale Price
54-100-554-BT*	NEW 0 - 4"/100mm	0.001"/0.02mm	\$180.00	\$160.00
54-100-556-BT*	NEW 0 - 6"/150mm	0.001"/0.02mm	185.00	165.00
54-100-558-BT*	NEW 0 - 8"/200mm	0.0015"/0.04mm	225.00	200.00
54-100-512-BT*	NEW 0 - 12"/300mm	0.0015"/0.04mm	240.00	215.00

#### **Water Resistant IP54 Electronic Calipers**



Order No.	Range	Accuracy	List Price	Sale Price
54-100-777-2*	0 - 6"/150mm	0.0015"/0.04mm	\$145.50	\$95.00
54-100-712-2* Accessory	0 - 12"/300mm	0.0015"/0.04mm	211.67	125.00
54-115-100-0*	Wireless Transmitter		\$110.76	\$95.00

#### **Economy Digital Calipers**





· Absolute sensor technology

54-100-000-2

- Stainless steel frame
- 4-way measuringResolution: 0.0005"/0.01mm

Order No.	Range	Accuracy	List Price	Sale Price
54-100-004-2*	0 - 4"/100mm	0.001"/0.02mm	\$111.12	\$84.00
54-100-000-2*	0 - 6"/150mm	0.001"/0.02mm	129.57	87.00
54-100-008-2*	0 - 8"/200mm	0.0015"/0.04mm	152.15	115.00
54-100-112-2*	0 - 12"/300mm	0.0015"/0.04mm	198.36	150.00
Accessory				
54-115-100-0*	Wireless transmitter		\$110.76	\$95.00

## **EURO-CAL IV®** Electronic Calipers



Order No.	Range	Accuracy	List Price	Sale Price
54-100-330-1*	6"/150mm	± 0.001"/0.02mm	\$132.21	\$95.00
54-100-331-0*	8"/200mm	± 0.001"/0.02mm	156.52	115.00
54-100-332-0*	12"/300mm	± 0.0015"/0.03mm	200.78	150.00

Stainless steel frame4-way measuring



























- Inch/Metric/Fraction reading: 0.0005"/0.01mm/ 1/128"
- · Dust, water and oil resistant to IP54 standards making it great for shop environments
- · Heavy Duty frame for extra rigidity and wear
- · Super large, easy to read 14 x 52mm display
- · Combined thumbrest and thumbroll for fine adjustment

Order No.	Range	Resolution	Accuracy	List Price	Sale Price
54-103-006-0*	0 - 6"/150mm	0.0005"/0.01mm	± 0.001"/0.02mm	\$79.11	\$64.00
54-103-012-0*	NEW 0 - 12"/300mm	0.0005"/0.01mm	± 0.0015"/0.04mm	135.00	120.00

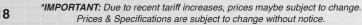
## XTRA-VALUE CAL Electronic Calipers

Buy a 12" (54-101-300-1) at list price and get a 6" (54-101-150-2) FREE



- · Stainless steel frame
- · Large easy-to-read display
- Resolution: 0.0005"/0.01mm
- Absolute/Incremental Measurement
- · 4-way measuring

Order No.	Range	Display Type	List Price	Sale Price
54-101-300-P*	NEW Buy a 12"	(54-101-300-1) and Get a 6" (54-101-150-2) FREE	\$152.05	\$101.33
54-101-150-2*	6"/150mm	Regular Display - includes FREE NIST Cert.	50.72	40.00
54-101-600-1*	6"/150mm	Super Large Display with hold feature	66.16	51.00
54-101-200-1*	8"/200mm	Regular Display	79.36	65.00
54-101-800-1*	8"/200mm	Super Large Display with hold feature	99.18	76.00
54-101-300-1*	12"/300mm	Regular Display - includes FREE NIST Cert.	101.33	83.00
54-101-900-1*	12"/300mm	Super Large Display with hold feature	132.44	111.00









- Resolution: 0.0005"/0.01mm
- Hold feature
- · Absolute/Incremental measurement
- · Preset mode includes offset size for ID measurements
- · All sizes feature fine adjustment screw
- · Includes shop hardened case

Order No.	Range	Accuracy	Jaw Depth	List Price	Sale Price
54-100-312-0*	12"/300mm	± 0.002"	3.5"	\$228.87	\$170.00
54-100-024-1*	24"/600mm	± 0.003"	4"	333.33	275.00
54-100-042-1*	40"/1000mm	± 0.004"	4.9	1116.90	780.00

#### **Extended Range Dial Calipers**



<ul> <li>Depth rod</li> </ul>	

· 0.500" internal measuring nibs

Order No.	Range	Accuracy	Jaw Depth	List Price	Sale Price
52-008-018-0*	18"	± 0.003"	3.125"	\$262.22	\$155.00
52-008-024-0*	24"	± 0.003"	3.375"	317.75	235.00

#### **Heavy Duty Dial Calipers** with Cross Jaws



Order No.	Range	Accuracy	Jaw Depth	List Price	Sale Price
52-025-108-0*	8"	± 0.0015"	2.5"	\$151.46	\$120.00
52-025-112-0*	12"	± 0.002"	2.875"	209.98	155.00













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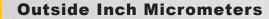


















52-215-003-1

- · Microfine graduations on satin chrome finish and carbide tipped measuring faces
- · Diameter of measuring faces: 0.256"
- · Graduation: 0.0001"
- · Flatness: 0.00003"
- · Positive lever locking clamp
- · Spindle thread hardened, ground and lapped for ultimate accuracy
- · Anvil & spindle hardened and precision ground with microlap finish on tips
- · Includes a wrench and case

Order No.	Range	Accuracy	Thimble	List Price	Sale Price
52-240-001-1*	0 - 1"	± 0.00015"	Friction	\$42.43	\$33.00
52-240-101-1*	0 - 1"	± 0.00015"	Ratchet	42.43	33.00
52-240-002-1*	1 - 2"	± 0.00015"	Friction	49.33	38.00
52-240-102-1*	1 - 2"	± 0.00015"	Ratchet	49.33	38.00
52-240-003-1*	2 - 3"	± 0.0002"	Ratchet	57.65	45.00
52-240-004-1*	3 - 4"	± 0.0002"	Ratchet	64.41	50.00
52-240-005-1*	4 - 5"	± 0.00025"	Ratchet	71.31	55.00
52-240-006-1*	5 - 6"	± 0.00025"	Ratchet	78.20	61.00
52-240-007-1*	6 - 7"	± 0.0003"	Ratchet	84.98	66.00
52-240-008-1*	7 - 8"	± 0.0003"	Ratchet	100.07	78.00
52-240-009-1*	8 - 9"	± 0.0003"	Ratchet	113.74	89.00
52-240-010-1*	9 - 10"	± 0.0003"	Ratchet	128.96	101.00
52-240-011-1*	10 - 11"	± 0.00035"	Ratchet	142.63	111.00
52-240-012-1*	11 - 12"	± 0.00035"	Ratchet	156.29	122.00
Sets					
52-215-003-1*	0 - 3" with stan	dards and fitted shop hard	dened case	\$183.63	\$131.00
52-215-004-1*	0 - 4" with stan	dards and fitted shop hard	dened case	235.80	170.00
52-215-006-1*	0 - 6" with standards and fitted wooden case			363.35	265.00
52-215-012-1*	0 - 12" with standards and fitted wooden case			1091.33	790.00
52-215-612-1*	6 - 12" with sta	ndards and fitted wooden	case	748.56	560.00



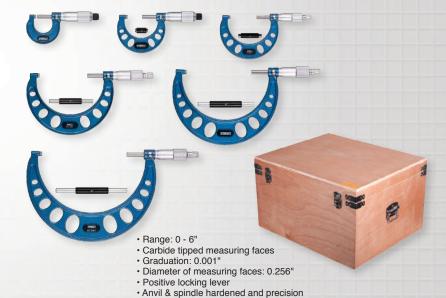
#### **Outside Inch Micrometers**



- · Diameter of measuring faces: 0.256"
- · Positive locking lever
- · Anvil & spindle hardened and precision ground with microlap finish on tips
- · Includes standard with sizes 2" and over

Order No.	Range	Accuracy	Thimble	List Price	Sale Price
52-253-001-1*	0 - 1"	± 0.001"	Friction	\$35.66	\$29.00
52-253-101-1*	0 - 1"	± 0.001"	Ratchet	35.66	29.00
52-253-002-1*	1 - 2"	± 0.001"	Friction	42.43	34.00
52-253-102-1*	1 - 2"	± 0.001"	Ratchet	42.43	34.00
52-253-003-1*	2 - 3"	± 0.001"	Ratchet	49.33	39.00
52-253-004-1*	3 - 4"	± 0.001"	Ratchet	57.65	46.00
52-253-005-1*	4 - 5"	± 0.001"	Ratchet	64.41	51.00
52-253-006-1*	5 - 6"	± 0.001"	Ratchet	71.31	57.00

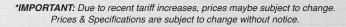
#### **Outside Inch Micrometer Set**



· Includes standard with sizes 2" and over

Order No. 52-253-600-1\*

List \$327.69



ground with microlap finish on tips



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#### **Outside Inch Micrometers**

#### with Decimal Equivalents on Frame



- Graduations: 0.0001"Ratchet thimble and locking nut
- Includes standard for 1-2" sizes

Order No.	Range	Accuracy	Thimble	List Price	Sale Price
52-235-001-1*	0 - 1"	± 0.0001"	Ratchet	\$67.56	\$49.00
52-235-002-2*	1 - 2"	± 0.0001"	Ratchet	78.20	57.00
52-235-003-2*	2 - 3"	± 0.0001"	Ratchet	97.76	71.00
Set					
52-235-100-0*	0 - 3"			\$245.14	\$216.00

#### **Swiss-Style Micrometers**



Order No.	Range	Accuracy	List Price	Sale Price
52-229-201-0*	0 - 1"	± 0.00016"	\$54.95	\$40.00
52-229-202-0*	1 - 2"	± 0.00016"	64.35	47.00
52-229-203-0*	2 - 3"	± 0.0002"	79.34	58.00
52-229-204-0*	3 - 4"	± 0.0002"	91.08	66.00
Sets				
52-229-213-0*	0 - 3"		\$198.09	\$145.00
52-229-214-0*	0 - 4"		280.45	206.00
52-229-220-0*	0 - 100mm		280.45	206.00

#### **Digit Counter Micrometers**



Order No.	Range	List Price	Sale Price
52-224-001-0*	0 - 1"	\$116.01	\$80.00
52-224-002-0*	1 - 2"	121.87	84.00
52-224-003-0*	2 - 3"	138.81	96.00
52-224-004-0*	3 - 4"	152.69	105.00
52-224-005-0*	4 - 5"	161.61	111.00
52-224-006-0*	5 - 6"	168.98	117.00
Sets			
52-224-103-0*	0 - 3" set	\$366.22	\$254.00
52-224-104-0*	0 - 4" set	519.31	359.00
52-224-220-0*	0 - 75mm set	385.60	267.00

#### **Interchangeable Anvil Micrometers**



- · Hammertone blue baked enamel frame
- Graduations are microfine on satin chrome for easy reading
- Each anvil is fitted with an adjusting collar to set the overall dimension
- Spindle thread is hardened and precision ground with microlap finish in carbide tipped measuring faces
- · Ratchet stop ensures exact readings
- A wrench is included for fast, easy zero adjustment on the sleeve
- Positive lever locking clamp assures accurate settings
- · Standards are included with each set
- Parallelism: 0.0004"

· Includes case

· Flatness: 0.00003"

Order No.	Range	Graduation	Accuracy	List Price	Sale Price
52-401-221-1*	0 - 6"	0.0001"	0.00024"	\$260.01	\$200.00
52-401-222-1*	6 - 12"	0.0001"	0.00024"	381.91	275.00
52-401-204-1*	12 - 16"	0.001"	0.00036"	458.32	340.00
52-401-205-1*	16 - 20"	0.001"	0.00036"	534.72	410.00













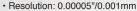






## **TRA-VALUE** II Electronic Micrometers





- Accuracy: ± 0.00016"/0.004mm (up to 2")
- Carbide measuring faces
- · Absolute and incremental modes
- · Ratchet thimble

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Order No.	Range	List Price	Sale Price
54-870-001-0*	0 - 1"/0 - 25mm	\$99.18	\$72.00
54-870-002-0*	1 - 2"/25 - 50mm	107.10	79.00

#### **Electronic Coolant Resistant Micrometers**







- · Protected to IP54 specifications
- · Automatic switch off
- Accuracy: ± 0.00016"/0.004mm (up to 2")
- · Resolution: 0.00005"/0.001mm
- · Carbide measuring faces
- Absolute & incremental modes

Order No.	Range	List Price	Sale Price
54-860-001-1*	0 - 1"/0 - 25mm	\$125.67	\$95.00
54-860-002-1*	1 - 2"/25 - 50mm	145.50	109.00
54-860-003-1*	2 - 3"/50 - 75mm	158.69	119.00
54-860-004-1*	3 - 4"/75 - 100mm	184.17	137.00
54-860-005-1*	4 - 5"100 - 125mm	206.28	154.00
54-860-006-1*	5 - 6"/125 - 150mm	231.51	170.00
Set			
54-860-103-1*	0 - 3"/0 - 75mm Set	\$413.37	\$305.00



#### **Electronic Micrometers**



- Corrosive resistant ratchet thimble (anodized aluminum)
- Super large LCD display, 14mm height
- Resolution: 0.00005"/0.001mm
- · IP54 protected against fluid and dust
- · Spindle lock
- · Carbide tipped anvil and spindle
- · SPC output
- · Includes fitted case







Order No.	Range	Accuracy	List Price	Sale Price
54-880-001-0*	NEW 0 - 1"/0 - 25mm	0.00016"/0.004mm	\$140.76	\$124.00
54-880-002-0*	NEW 1 - 2"/25 - 50mm	0.00016"/0.004mm	162.18	142.00
54-880-003-0*	NEW 2 - 3"/50 - 75mm	0.0002"/0.005mm	173.40	152.00
54-880-004-0*	NEW 3 - 4"/75 - 100mm	0.0002"/0.005mm	198.90	174.00
Set				
54-880-103-0*	NEW 0 - 3"/0 - 75mm		\$447.78	\$390.00
Accessory				
54-520-399-0*	SPC cable		\$170.22	\$120.00

## TRA-VALUE Digi-Micrometers









- · Large LCD Display
- · Absolute & incremental modes
- · Automatic switch off
- · Resolution: 0.00005"/0.001mm
- · Carbide measuring faces
- · Sizes over 1"/25mm include standard

	_			
Order No.	Range	Accuracy	List Price	Sale Price
54-815-001-2*	0 - 1"/0 - 25mm	± 0.00016"	\$165.36	\$120.00
54-815-002-2*	1 - 2"/25 - 50mm	± 0.00016"	191.83	140.00
54-815-003-2*	2 - 3"/50 - 75mm	± 0.0002"	211.67	150.00
Set				
54-815-103-0*	0 - 3"/0 - 75mm set		\$446.14	\$380.00











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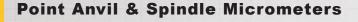














- · 30° pointed anvil and spindle for measuring small grooves, keyways, small flutes and hard to reach dimensions
- · Protected to IP54 specifications
- · Large LCD Display, 8.5mm

- · Automatic switch off
- Resolution: 0.00005"/0.001mm
- · Carbide measuring faces
- · Absolute & incremental modes
- · Sizes over 1"/25mm include standard

Order No.	Range	Accuracy	List Price	Sale Price
54-860-661-0*	0 - 1"/0 - 25mm	0.00016"/0.004mm	\$184.69	\$135.00
54-860-662-0*	1 - 2"/25 - 50mm	0.00016"/0.004mm	202.05	148.00
54-860-663-0*	2 - 3"/50 - 75mm	0.0002"/0.005mm	225.98	166.00
54-860-664-0*	3 - 4"/75 - 100mm	0.0002"/0.005mm	245.81	180.00

#### **Point Spindle & Blade Anvil Micrometers**



- · 60° pointed spindle with blade anvil for grooves and hard to reach dimensions
- · Protected to IP54 specifications
- · Large LCD display, 8.5mm
- · Automatic switch off

- Resolution: 0.00005"/0.001mm
- · Hardened steel measuring face
- · Absolute & incremental modes
- · Sizes over 1"/25mm include standard

Order No.	Range	Accuracy	List Price	Sale Price
54-860-671-0*	0 - 0.8"/0 - 20mm	0.00016"/0.004mm	\$154.07	\$113.00
54-860-672-0*	1 - 1.8"/25 - 45.7mm	0.00016"/0.004mm	173.22	127.00
54-860-673-0*	2 - 2.8"/50 - 71mm	0.0002"/0.005mm	196.15	144.00
54-860-674-0*	3 - 3.8"/75 - 96.5mm	0.0002"/0.005mm	221.20	162.00



- Ball anvil/flat spindle for measuring tubes or the insides of holes to outer edges
- · Protected to IP54 specifications
- Large LCD display, 8.5mm
- · Automatic switch off

- Resolution: 0.00005"/0.001mm
- Hardened steel measuring face
- · Absolute & incremental modes
- · Sizes over 1"/25mm include standard

Order No.	Range	Accuracy	List Price	Sale Price
54-860-113-1*	0 - 1"/0 - 25mm	0.00016"/0.004mm	\$127.36	\$93.00
54-860-114-1*	1 - 2"/25 - 50mm	0.00016"/0.004mm	149.18	109.00
54-860-115-1*	2 - 3"/50 - 75mm	0.0002"/0.005mm	171.33	125.00
54-860-116-1*	3 - 4"/75 - 100mm	0.0002"/0.005mm	193.04	141.00

#### **Electronic IP54 Ball Anvil & Spindle Micrometers**



- Ball anvil and spindle for measuring special curved surfaces
- Protected to IP54 specifications
- · Large LCD display, 8.5mm
- · Automatic switch off

- Resolution: 0.00005"/0.001mm
- Hardened steel measuring face
- · Absolute & incremental modes
- · Sizes over 1"/25mm include standard

Order No.	Range	Accuracy	List Price	Sale Price
54-860-211-1*	0 - 1"/0 - 25mm	0.00016"/0.004mm	\$138.81	\$102.00
54-860-212-1*	1 - 2"/25 - 50mm	0.00016"/0.004mm	160.19	117.00
54-860-213-1*	2 - 3"/50 - 75mm	0.0002"/0.005mm	183.02	134.00
54-860-214-1*	3 - 4"/75 - 100mm	0.0002"/0.005mm	206.85	152.00











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#### **Vernier Thread Micrometers**



#### 52-219-001-1

- · 60° measuring anvils
- · Painted enamel and heat insulated frame
- · Positive spindle lock
- · Graduation: 0.001"
- · Ratchet thimble
- · Sizes over 1" include standard

Order No.	Range	Thread Range	Accuracy	List Price	Sale Price
52-219-001-1*	0 - 1"	64 - 5 TPI/0.4 - 5mm	0.00016"	\$83.23	\$74.00
52-219-002-1*	1 - 2"	44 - 3.5 TPI/0.6 - 7mm	0.00016"	93.64	83.00
52-219-003-1*	2 - 3"	24 - 3.5 TPI/1 - 7mm	0.0002"	109.24	96.00
52-219-004-1*	3 - 4"	24 - 3.5 TPI/1 - 7mm	0.0002"	119.65	104.00

#### **Electronic IP65 Thread Micrometers**





- · ABS/INC measuring mode
- Positive spindle lock
- · Painted enamel and heat insulated frame
- · Resolution: 0.00005"/0.001mm
- · Friction thimble
- · Sizes over 1" include standard

Order No.	Range	Thread Range	Accuracy	List Price	Sale Price
54-219-001-0*	0 - 1"	64 - 5 TPI/0.4 - 5mm	± 0.00008"/0.002mm	\$223.69	\$195.00
54-219-002-0*	1 - 2"	44 - 3.5 TPI/0.6 - 7mm	± 0.00008"/0.002mm	239.29	207.00
54-219-003-0*	2 - 3"	24 - 3.5 TPI/1 - 7mm	± 0.00008"/0.002mm	254.90	222.00
54-219-004-0*	3 - 4"	24 - 3.5 TPI/1 - 7mm	± 0.00012"/0.003mm	270.50	234.00

#### **Thread Measuring Wire Set**

- · Includes 48 wires in 16 different sizes
- · NOW includes wire holders
- · Accuracy for sizes 0.018" through 0.108" is within +0 / -0.0004"; sizes 0.120" through 0.185" is within +0 / -0.0005"
- Measures all U.S. 60° threads from 3 48 threads per inch

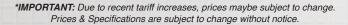
NEW!



Order No. 52-485-048-0\*

Sale \$21.00

List \$31.48







- Use blade micrometers to measure the outside diameter of workpieces which have narrow grooves, "T" slots and other dimensions
- · Anvil & spindle hardened & precision ground with microlap finish on ends
- · Non-rotating spindle
- · Ratchet thimble
- Blade thickness = 0.030"; blade width = 0.256"; blade penetration = 0.315"
- · Sizes over 1" include a standard

Order No.	Range	Graduation	Accuracy	List Price	Sale Price
52-246-001-1*	0 - 1"	0.0001"	0.00016"	\$218.65	\$160.00
52-246-002-1*	1 - 2"	0.0001"	0.00016"	238.02	175.00
52-246-003-1*	2 - 3"	0.0001"	0.0002"	248.37	185.00
52-246-004-1*	3 - 4"	0.0001"	0.0002"	253.29	190.00

#### **Electronic IP54 Blade Micrometers**



- Water resistant to IP54 specifications
- True inch/metric conversion
- Accuracy: 0.00016"
- Resolution: 0.00005"/0.001mm
- · Friction thimble
- Sizes over 1" include standard

Order No.	Range	List Price	Sale Price
54-860-241-0*	0 - 1" Blade Anvil	\$269.86	\$200.00
54-860-242-0*	1 - 2" Blade Anvil with standard	293.15	218.00
54-860-243-0*	2 - 3" Blade Anvil with standard	306.19	228.00
54-860-244-0*	3 - 4" Blade Anvil with standard	320.47	240.00

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# Fowler TO

#### **Digit Counter Ball-Anvil Micrometers**



52-244-201-1

- · Microfine graduations on satin chrome.
- Digital counter reads to 0.001"; sleeve reads to 0.0001"
- No. 52-244-201-1 spindle hardened and precision ground with a carbide tipped measuring face
- · Ratchet stop thimble on all models
- · Accuracy: 0.00016"
- · Graduation: 0.0001"

Order No.	Range	List Price	Sale Price
52-244-201-1*	0 - 1" Ball Anvil	\$121.87	\$90.00
52-244-202-1*	1 - 2" Ball Anvil	146.96	108.00

#### **Digit Counter Disc Micrometers**



- · Measuring range: 0 1"
- Anvil and spindle are hardened and precision ground with microlap finish on measuring faces
- · Quick and easy zero adjustment on sleeve.
- Flatness: 0.00004"
- · Accuracy: 0.00016", Graduation: 0.0001"
- · Disc edge thickness: 0.035", Disc dia.: 0.708"
- · Center opening: 0.280"
- Ratchet thimble
- The disc type anvil and spindle simplifies measuring the thickness of difficult, closely spaced sections, ribs, keys, fins, cutting edges on forming tools, chordal thickness of gear teeth, etc.

Order No.	Range	List Price	Sale Price
52-250-301-1*	0 - 1"	\$160.20	\$120.00
52-250-302-1*	1 - 2"	176.25	130.00

#### **Digit Counter Spline Micrometer**



- Range: 0 1"
- Measure recesses, grooves and splines
- Carbide tipped measuring faces
- Positive knob locking clamp
- · Ratchet stop for exact readings
- Graduation: 0.0001
- · Accuracy: 0.00016"
- Flatness: 0.00002"
- Parallelism : 0.00005"
- Includes wrench & case

Order No. 52-218-301-1\*

Sale \$110.00

List \$152.82

#### Cylindrical/Spherical Tube Micrometers



- · Anvil is hardened and precision ground
- · Carbide tipped spindle
- · Spindle thread is hardened, ground and lapped
- Accuracy: 0.00024"
- Graduations: 0.0001"
- · Ratchet thimble
- · Microfine graduations on satin chrome finish permit easy reading
- · Measurements can be taken at locations far from the end due to the protruded rod-anvil design

Order No.	Range	Туре	List Price	Sale Price
52-510-601-1*	0 - 1"	Cylindrical	\$68.57	\$50.00
52-510-602-1*	0 - 1"	Spherical	68.57	50.00

#### **Micrometer Stands**



- Unique locking nut adjusts micrometer stand to any position for perfect use and viewing
- · Stand folds for storage



#### 52-247-010-0

- · Holds standard 0-12" micrometers firmly to metal surfaces
- Use at machine centers, work, assembly and inspection stations, steel tables and shelves
- · V-bottom for mounting on cylindrical surfaces
- · On/Off magnet switch
- Base is 2.30" L x 1.20" W x 3.50" H



#### 52-247-000-0

 Provides a measuring position and angle for outside micrometers and other instruments



Order No.	Description	List Price	Sale Price
52-247-000-0*	Adjustable Micrometer Stand	\$60.38	\$45.00
52-247-005-0*	Folding Micrometer Stand	40.41	32.00
52-247-010-0*	Magnetic Micrometer Stand	54.12	42.00













Order No.	Description	List Price	Sale Price
54-520-255-0*	0.50"/12.5mm Indi-X Blue	\$103.08	\$70.00
54-520-250-0*	1"/25mm Indi-X Blue	110.99	75.00
54-520-260-0*	1"/25mm/64ths Indi-X Blue Inch-Metric-Fraction	112.61	80.00

#### **Fine Adjust Mag Base Sets** With INDIXIDE Electronic Indicator or AGD White Face Indicator

#### Magnetic Base · 52-585-005-0:

- 85 lb. pull
- · Fine adjustment
- V-bottom base

#### Magnetic Indicator · 52-585-495-0:

- · Use for positioning the indicator on most metal surfaces
- Protective coating

#### Indi-X Blue Indicator · 54-520-250-0:

- · Direct Inch/Metric Conversion
- · 1"/25mm travel
- · Auto Off feature
- · 2-1/4" dial face
- · Lugback and 3/8" stem mountings
- · Resolution .0005"/.01mm
- Tolerance indicators
- Absolute/incremental reading
- · Floating zero
- · Carbide tipped point with 4-48 thread

#### AGD Indicator · 52-520-110-0:

- AGD Group 2
- · Dial diameter: 2-1/4"
- Travel: 1'
- · Reading: 0.001"
- · Continuous reading: 0.100"
- · Carbide tipped point with 4-48 thread





Order No.	Description	List Price	Sale Price
52-585-125-0*	Fine Adjust Mag Base with AGD Dial Indicator Set	\$169.10	\$125.00
54-585-075-0*	Fine Adjust Mag Base with Indi-X Blue Electronic Indicator Set	216.69	140.00

## INDI-XIIIIE

#### **Small Face Electronic Indicator**

- Range: 0 0.50"/0 12.5mm
- Accuracy: ± 0.0008"/0.02mm
- · Resolution: 0.0005"/0.01mm
- · 1.76" dial face
- · Carbide tip
- · Contains flat and center lug backs
- · Includes NIST certification and fitted case

Order No. 54-520-275-0\*

Sale \$95.00

NEW!



List \$114.44

## INDI-X hiue



#### **IP65 HIGH Resolution Electronic Indicator**

- · Range: 1"/25mm
- Accuracy: ± 0.0002"/0.005mm
- Resolution: 0.00005"/0.001mm
- IP65 protected
- Carbide tip
- Tolerance function
- Contains flat and center lug backs
- · Includes NIST certification and fitted case

Order No. 54-520-270-0\*





List \$151.90

## INDI-XIIIIE

#### **IP65 Electronic Indicator**



- Accuracy: ± 0.0012"/0.03mm
- IP65 protected
- Carbide tip
- Tolerance function
- · Contains flat and center backs
- · Includes NIST certification and fitted case

Order No. 54-520-265-0\*





List \$126.93









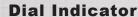






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- Range: 1", dial dia. 2-1/4"
- · AGD group 2
- Graduations: 0.001"
- Continuous reading: 0 100
- Revolution counter hand
- Supplied with lug backs positioned through 90° increments
- · Carbide tipped contact points
- Spindle & rack of hardened stainless steel
- Pinions hardened and tempered
- · Microfine graduations in black for continuous readings and red for balanced readings
- Movement mounted independently from case on rigid supporting plate, ensuring perfect and permanent alignment
- Knurled bezel
- Meets AGD specifications. Group II & III gages—measuring pressure approximately 2 oz. except 0.0001"/0.002mm which is 5 oz.
- Includes adjustable tolerance limit markers
- · Meets ANSI specs for accuracy

Order No. 52-520-110-0\*

Sale \$42.00

List \$72.17





- · Two dial indicators in one
- · Inch on one side and metric on the opposite side
- Range: 0.5"/12.5mm
- Graduation: 0.001"/0.01mm
- · 8mm mounting stem with 3/8" adaptor bushing included
- Jeweled movements
- · Carbide contact point
- · 1" spline contact point included
- · Includes NIST certificate for both inch and metric readings







Order No. 52-530-115-0\*

Sale \$80.00

List \$109.24



#### **Premium Dial Indicators**



	Order No.	Range	Graduation	Reading	<b>Balanced Reading</b>	<b>Dial Color</b>	List Price	Sale Price
Ī	52-520-110-1*	1"	0.001"	0 - 100	_	Black Face	\$92.91	\$65.00
	52-520-110-2*	1"	0.001"	0 - 100	_	White Face	92.91	65.00
	52-520-120-0*	2"	0.001"	0 - 100	0 - 50 -0	White Face	143.74	99.00
	52-520-129-0*	1"	0.0005"	0 - 50	0 - 25 - 0	White Face	112.36	75.00
	52-520-135-0*	0.05"	0.0001"	0 - 10	0 - 5 - 0	White Face	161.01	110.00
	52-520-125-0*	0.250"	0.0005"	0 - 50	0 - 25 - 0	White Face	122.64	82.00

#### **Premium IP54 Shockproof Dial Indicators**

- · Includes NIST Certification
- · Includes both center lug back and flat back
- Steel housing
- · Sealed plunger, dustcap and back plate
- · Carbide contact point
- · 0 100 dial reading with rev. counter







Order No.	Range	Graduation	Reading	Contact Point	List Price	Sale Price
52-520-460-0*	1"	0.001"	0 - 100	4 - 48 (3/8" stem)	\$100.82	\$65.00
52-520-465-0*	1"	0.001"	0 - 100	4 - 48 (3/8" stem)	100.82	65.00

52-520-465-0













#### **Depth Base Attachments**

- · Turn your dial or electronic indicator into a depth gage (may reduce range)
- · 4" length
- · Fits indicators with 3/8" and 8mm mounting stems
- · Ground and lapped base
- · Each supplied with 4 extension points, for added application range (4 - 48 thread)
- · 52-125-005-0 has 0.430" radius

Order No.	Description	List Price	Sale Price
52-125-004-0*	Flat depth base attachment	\$40.88	\$30.00
52-125-005-0*	Radius style depth base attachment	40.88	30.00

#### **Indicator Chucks**



52-526-020-0

- · Low carbon steel, black oxide finished
- · 0.0140" 0.040" chucking capacity
- · Can be used with small pin gages for special or restricted applications
- · Available in both 4 48 and M2.5 threads





52-125-004-0



Order No.	Description	List Price	Sale Price
52-526-020-0	Indicator Chuck with 4 - 48 thread	\$23.93	\$20.00
52-526-021-0	Indicator Chuck with M2.5 thread	23.93	20.00

#### **Deluxe Dial Gage Stand**

- · Quick positioning and adjustment
- · Zero settings with knob for fine adjustment
- · Fine adjustment of 5/32"
- · Can hold indicators with stems of 3/8" and 8mm
- · Round working surface of 2-1/4"
- · Diameter of column is 1"
- · Measuring range: 6"/150mm
- · Overall height: 10"
- · 2" (base height) x 4" (base width) x 6" (base length)



Order No. 52-580-010-0\*

Sale \$150.00

List \$253.73

# XTEST

### **Horizontal Indicators**

- · Solid copper body
- · Super smooth jeweled movement
- · Smoother bezel adjustment for easier zero setting
- 0.080" and 0.120" carbide ball contact points (0.040" steel ball)
- · 0.060" range with auto reverse and rev. counter
- · Easy to read tilted dial
- · 5/32" pivotable stem

### Includes NIST Certificate of Calibration



52-562-002-0

52-562-005-0

Order No.	Style	Graduations	Dial Diameter	Dial Reading	List Price	Sale Price
52-562-001-0*	Horizontal	0.0005"	1-1/2"	0-15-0	\$132.36	\$99.00
52-562-002-0*	Horizontal	0.0005"	1"	0-15-0	132.36	99.00
52-562-003-0*	Horizontal	0.001"	1"	0-15-0	132.36	99.00
52-562-008-0*	Horizontal	0.01mm	38mm	0-40-0	132.59	99.00

# XTEST Vertical Indicators



- · Dial diameter: 1" and dial reading: 0 15- 0
- · Solid copper body and super smooth jeweled movement

TWICE the range of most indicators!

- Smoother bezel adjustment for easier zero setting
- 0.080" and 0.120" carbide ball contact points (0.040" steel ball)
- · 0.060" range with auto reverse and rev. counter
- · 5/32" pivotable stem





Order No.	Style	Graduations	<b>Dial Diameter</b>	Dial Reading	List Price	Sale Price
52-562-004-0*	Vertical	0.0005"	1-1/2"	0-15-0	\$144.94	\$99.00
52-562-005-0*	Vertical	0.0005"	1"	0-15-0	144.94	99.00
52-562-006-0*	Vertical	0.001"	1"	0-15-0	144.94	99.00

#### **Test Indicator Set** with Certificate of Calibration

#### **Test Indicator:**

- Auto-reverse
- Jeweled movement
- Range: 0.030"
- Graduation: 0.0005"
- Dial Reading: 0-15-0
- Dial Diameter: 1.125"
- Point length: 0.400"
- · Carbide contact points

#### Set Also Includes:

- · 0.080" & 0.040" contact points
- · Universal clamp
- Height gage attachment 3/8" & 1/4" dovetail clamps
- · Manufacturer's test certificate
- · Meets ANSI Specs for accuracy
- All in a fitted molded case



Order No. 52-562-999-0

Sale \$125.00

List \$145.12











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### **Test Indicators**

All Fowler Test Indicators include bi-directional constant clockwise rotation, automatic reversal, three dovetail mountings, jeweled movement, two dovetail clamps and a molded



BEST SE	LLER!
FOWNER HIG	H PRECES
Extra P	oints
.040**	.120"

Order	Face	Total	Dial		Dial	Point	List	Sale
No.	Color	Range	Reading	Graduation	Diameter	Length	Price	Price
52-562-774-0*	white	0.030"	0-15-0	0.001"	1"	1/2"	\$124.42	\$80.00
52-562-778-0*	black	0.030"	0-15-0	0.0005"	1"	1/2"	132.21	80.00
52-562-775-0*	white	0.030"	0-15-0	0.0005"	1"	1/2"	132.21	80.00
52-562-776-0*	white	0.030"	0-15-0	0.0005"	1-1/2"	1/2"	138.28	80.00
52-562-780-0*	black	0.030"	0-15-0	0.0005"	1-1/2"	1/2"	138.28	80.00







Order	Face	Total	Dial	Graduation	Dial	Point	List	Sale
No.	Color	Range	Reading		Diameter	Length	Price	Price
52-563-770-0* 52-563-771-0*	white black	0.008"	0-4-0 0-4-0	0.0001" 0.0001"	1" 1"	1/2"	\$132.21 132.21	\$80.00 80.00





Order	Face	Total	Dial		Dial	Point	List	Sale
No.	Color	Range	Reading	Graduation	Diameter	Length	Price	Price
52-562-781-0*	white	.020"	0-10-0	0.0005"	1"	1-7/16"	\$136.22	\$85.0
52-562-782-0*	black	.020"	0-10-0	0.0005"	1"	1-7/16"	136.22	85.0
52-562-783-0*	white	.020"	0-10-0	0.0005"	1-1/2"	1-7/16"	136.22	85.0
52-562-784-0*	black	.020"	0-10-0	0.0005"	1-1/2"	1-7/16"	136.22	85.0



Extr	a Points	
.040"	.120"	

Order No.	Face Color	Total Range	Dial Reading	Graduation	Dial Diameter	Point Length	List Price	Sale Price
52-560-060-0*	white/red	0.020"	0-10-0	0.0005"	1"	1-1/2"	\$104.46	\$70.00
		0.7mm	0-0.25-0	0.01mm				

## **Magnetic Bases**

- 9.5" Height and 85 lb. pull
- · Base dimensions are 2" x 2-11/32" x 1-13/16"(50mm x 58.7mm x 46mm)
- · Accepts all AGD dial indicators
- · V-bottom base allows mounting on cylindrical surfaces
- · Mounts test indicators with 1/4" post mount



Order No.	Description	List Price	Sale Price
52-585-005-0*	Magnetic base	\$52.86	\$36.00
52-585-010-0*	Magnetic base w/fine adjustment	62.16	40.00

## **Universal Magnetic Base**

- · Base width 1-1/2", Base height 1", Overall height 4-7/8", 25 lb. pull
- · Locking screw and 2 universal ball sockets for setting at any angle or position
- · Microfine adjustment screw
- Removable extension arm 3 9/16"
- · Use with or without arm
- · Dovetail form holder with locking control to hold dovetail test indicators
- Accepts 0.250" diameter test indicator stems
- · Base finished in wrinkled enamel

Order No. 52-585-000-0\*

Sale \$28.

List \$40.94

### **Hydraulic Arm Magnetic Base**

- · All purpose magnetic base with 180 lbs. of pulling power
- · Blue anodized coated post and arm
- · Fine adjustment clamping rod
- · Base can be mounted vertically as well as horizontally
- · V-bottom base allows mounting on cylindrical surfaces

Adjusts to virtually any position!

Order No. 52-585-095-0\*

Sale \$135.00



List \$209.60





\*IMPORTANT: Due to recent tariff increases, prices maybe subject to change. Prices & Specifications are subject to change without notice.















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- · Easy-to-read digit counter
- Microfine 0.001" graduations4" base constructed of tool steel, hardened and ground
- · Satin chrome finish · Ratchet thimble
- · Locking clamp
- · Rod diameter: .176"
- · Includes wrench and fitted case



Order No.	Range	Graduation	Base	List Price	Sale Price
52-225-176-0*	0 - 6"	0.001"	2.5"	\$197.64	\$155.00
52-225-226-0*	0 - 6"	0.001"	4"	204.39	160.00

# X-DΕΡΤΗ 22 / 0 - 22" Electronic Depth Gage



- · 0 1" travel electronic indicator
- · Zero reset at any position
- · On/off button
- Relative/absolute measuring
- · Bottom surface of the base is hardened, ground & lapped
- Full 22" range
- · Resolution .0005"/.01mm
- · Hold feature
- · 4" Base
- · Includes 2 extra points for small hole applications; one 0.078" dia. x 1" long and one needle point x 1" long

Order No. 54-125-777-0\*

Sale \$205.00

List \$271.07



# 0 - 22"/558mm Depth Gage

Inch & Metric Reading



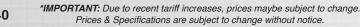
- · 0 1"/0 25mm travel indicator
- 0.001"/0.01mm graduations
- · Rods connect together for full 22"/558mm capacity
  - · Satin chrome finish
  - · Base size: 4"
- Includes 2 extra points for small hole applications; one 0.078" dia. x 1" long and one needle point x 1" long

Order No. 52-125-008-0\*

Sale \$180.00

List \$219.30





## Internal & External **Electronic Caliper Gages**

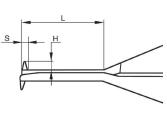




54-554-611-0

- · Rugged housing
- Large, LCD display
- Resolution: 0.0002"/0.005mm Accuracy: ± 0.0008"/± 0.02mm
- Preset capability
- Absolute/Incremental measurements
- · High-impact, aircraft aluminum case





Metric	Inch	L	S	Н	Tip Radius
5-15mm	0.2-0.6"	20mm	1.0mm	1.5mm	0.3mm
5-25mm	0.2-1.0"	35mm	1mm	1.5mm	0.3mm
10-30mm	0.4-1.2"	55mm	2mm	3.5mm	0.5mm
20-40mm	0.8-1.6"	80mm	3mm	6.5mm	0.5mm
30-50mm	1.2-2.0"	80mm	3mm	8.5mm	0.5mm

Dilliensions	ioi External C	anpers			
Metric	Inch	L	S	Н	Tip Radius
0-10mm	0-0.4"	40mm	3mm	8mm	0.5mm
0-20mm	0-0.8"	80mm	6.5mm	25mm	0.75mm
10-30mm	0.4-1.2"	80mm	6.5mm	25mm	0.75mm
20-40mm	0.8-1.6"	80mm	6.5mm	25mm	0.75mm
30-50mm	1.2-2.0"	80mm	6.5mm	25mm	0.75mm

#### Internal Caliper Gages

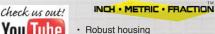
Order No.	Range	List Price	Sale Price
54-554-611-0*	0.200" - 0.590"/5 - 15mm	\$191.79	\$174.00
54-554-622-0*	0.200" - 1"/5 - 25mm	205.74	157.00
54-554-623-0*	0.400" - 1.2"/10 - 30mm	215.30	167.00
54-554-624-0*	0.790" - 1.6"/20 - 40mm	215.30	167.00
54-554-625-0*	1.2" - 2"/30 - 50mm	215.30	167.00

#### **External Caliper Gages**

Order No.	Range	List Price	Sale Price
54-554-711-0*	0 - 0.400"/0 - 10mm	\$191.79	\$174.00
54-554-722-0*	0 - 0.790"/0 - 20mm	205.74	157.00
54-554-723-0*	0.4" - 1.2"/10 - 30mm	215.30	167.00
54-554-724-0*	0.790" - 1.6"/20 - 40mm	215.30	167.00
54-554-725-0*	1.2" - 2"/30 - 50mm	215.30	167.00

# TRA-VALUE Internal & External Electronic Caliper Gages





- Large LCD display
- Reading: 0.01"/0.1mm/1/64ths Accuracy: 0.01"/0.3mm/1/64ths Battery: CR2032

Spring	loaueu	VVILII	locking	Hut

SERIES 4" Setting Master

Order No.	Description	Range	List Price	Sale Price
54-554-630-0*	Outside Caliper Gage	0 - 6"/0 - 150mm	\$52.29	\$33.00
54-554-730-0*	Inside Caliper Gage	0.5 - 6"/12.7 - 150mm	52.29	33.00
Set				
54-554-650-0*	Inside/Outside Caliper Gage	Set includes 4" internal setting master	\$91.80	\$62.00













# NEW True ABS measuring system

- Supplied with a NIST certified test block (1" x 2" x 3")
- · Supplied with mini USB data cable
- · Heavy duty single column design
- · Carbide scriber
- · Ground and lapped base for smooth movement
- · Steel rack with large hand wheel for coarse and fine adjustment
- · Positive locking level for scriber
- Can be used with wireless transmitter (54-115-100-0)

# NEW!

Order No.	Range	Accuracy	List Price	Sale Price
54-175-012-1*	NEW 12"/300mm	± 0.0016"/0.04mm	\$601.78	\$530.00
54-175-018-1*	NEW 18"/500mm	± 0.002"/0.05mm	708.90	625.00
54-175-024-1*	NEW 24"/600mm	± 0.002"/0.05mm	813.96	710.00
Accessory	Wireless transmitte	r	\$110.76	\$95.00
34-113-100-0	Wileless transmitte	ı	φ110.70	\$95.00



# **7-HEIGHT**

## **Electronic Height Gages**

# W/DGS/I

- · NEW base design with painted enamel finish has a more comfortable grip and is finely ground and lapped for smooth movement on surface plates
- · NEW fine adjust feature allows precise adjustment to reguired settings
- NEW preset feature allows setting pre-determined or reference measurements
- NEW 2 indicator holding bars included (3/8" and 8mm)
- · Direct inch/metric conversion
- · Resolution 0.0005"/0.01mm
- · Floating zero
- · Large, high contrast LCD display
- · Coarse adjustment hand wheel
- · Carriage locking lever
- · Carbide tipped scriber



Order No.	Range	Accuracy	List Price	Sale Price
54-175-012-0*	NEW 12"/300mm	± 0.0016"/0.04mm	\$524.56	\$400.00
54-175-018-0*	NEW 18"/500mm	± 0.002"/0.05mm	611.57	465.00
54-175-024-0*	<b>NEW</b> 24"/600mm	± 0.002"/0.05mm	688.39	525.00

54-175-024-0



54-174-212-3

# Twin Beam Electronic Height Gages with Offset Scriber

- · Carriage design with offset scriber holder
- · Base is ground and lapped for flatness
- · Handwheel provides course and fine movement
- · Updated electronic and mechanical design offers better accuracy and movement of carriage
- · Carbide tipped scriber
- · Functions include preset, in/mm conversion and ABS/INC for direct or comparative measuring

Optional contact sensor can be used to indicate when measuring contact is made between the gage and another conductive surface



#### Contact sensor may be used with any height gage on pages 42 and 43

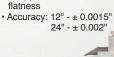
Order No.	Range	Accuracy	List Price	Sale Price
54-174-212-3*	12"/300mm	± 0.0016"/0.04mm	\$494.19	\$425.00
54-174-224-3* Accessory	24"/600mm	± 0.002"/0.05mm	691.87	595.00
54-174-226-0*	Contact sense	or	\$21.85	\$18.00

# Twin Beam Dial **Height Gages**

· Separate digit counters register both upward & downward travel

· Zero setting can be obtained throughout the gage's range

- · Coarse readings in 0.100" graduations: fine readings taken on indicator are 0.001"
- · Dual chrome plated beams · Carbide-tipped scriber.
- · Base is hardened, ground & lapped for maximum







# **Electronic Height Gage**

An economical height gage that offers high quality, accuracy and durability.



- · Resolution:
- 0.0005"/.01mm Accuracy: ± 0.0025"
- · Repeatability: 0.0005"/0.01mm (±2s)
- Large easy to read LCD
- · Overall height: 28" Presetable display

Order No.	Range	List Price	Sale Price
54-106-020-0*	20"/500mm	\$426.18	\$265.00
54-106-040-0*	40"/1000mm	1560.70	1100.00











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- · Super large 18mm backlit display
- · Includes a 6" straight edge with beveled edge and 1/64th graduations

Digi Level Plus+

- · Smart wireless model available
- · V's on top and bottom for measuring on cylindrical surfaces
- · Embedded magnets on bottom base for vertical and horizontal hold
- IP65 protection

Order No.

54-422-550-0\*

- · Rechargeable battery
- · USB charging cable supplied
- Auto inverting display







54-422-550-0



Sale Price

DAVE

54-422-450-1

\$110.00

125.00 SOL-A-THON BEST SELLER

List Price

\$125.51

141.88

54-422-550-BT*	Digi-Level PLUS with Bluetooth
nini-MAG /	Protractor   Total

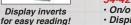
The mini-MAG Protractor provides instant 360° digital inclination display of any angle with the additional unique feature of embedded magnets on both sides and the bottom which make it ideal for a variety of measurements.

Description

Digi-Level PLUS

- Embedded magnets with 3.5lb. pull
   Repeatability: 0.05°
- Uses standard 9V battery (250 hrs.)
   Dimensions: 2.375" x 1.375" x 2.375"
- Measuring range: 360° (4 x 90°) · Hold feature
- · Display automatically inverts
- Resolution: 0.05°
- Accuracy: ± 0.2°







- · On/off, tilt %, light, zero functions
- Display is backlit for low light areas

Order No.	Description	List Price	Sale Price
54-422-450-1*	mini-MAG protractor	\$105.72	\$60.00
54-422-460-0*	NEW mini-MAG II protractor	111.18	65.00

# Ali PLUS

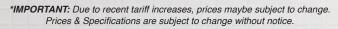
The Mini-Mag PLUS Protractor features a USB rechargeable battery, a backlit display, Tilt% function and IP54 protection against water, oil, and fluids.

- · 6 month battery life
- · Auto off after 5 minutes
- Embedded magnets
- · Measuring range: 360° (4 x 90) · Zero function
- · Display automatically inverts
- Resolution: 0.05°
- Accuracy: ± 0.2°
- Repeatability: 0.05°
- Hold feature
- · Smaller size: 2.12" x
- 2.12" x .9"

Order No. 54-422-500-0\*

List \$116.89





### Dial Bore Gage Sets with Carbide Anvils

Industry's two most popular bore gage ranges combined in one set!

#### Carbide Anvils

- · Easy-to-read
- · Insulated grip
- · Chrome plated handle
- 9.5" depth





52-646-400-0



Order No.	Range	Graduation	List Price	Sale Price
52-646-100-0*	0.7 - 1.5"	0.0005"	\$156.63	\$115.00
52-646-300-0*	2 - 6"	0.0005"	129.42	110.00
52-646-400-0*	1.4 - 6"	0.0005"	196.75	140.00
52-646-500-0*	1.4 - 6"	0.0001"	246.55	180.00
52-646-220-0*	35 - 60mm	0.01mm	217.41	140.00
Extensions				
52-646-450-0*	20" depth extension		\$84.89	\$75.00
52-646-475-0*	40" depth extension		106.12	95.00

# XTENDER Electronic Bore Gage Set with Carbide Anvils

Industry's two most popular bore gage ranges combined in one easy-to-use electronic set!

Preset size of master for absolute reading and use minimum hold feature to lock on the bore size as the gage is rocked in the part to be measured.

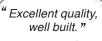


#### **Bore Gage features:**

- · Range: 1.4"-6"/35mm-150mm
- · Carbide anvils
- · Self-centering

#### Indicator features:

- Bar graph and numeric digital display
- · Preset with recall
- ABS/INC measurement
- · Min/Max/TIR



Lee C.







Order No.	Range	Resolution	List Price	Sale Price
54-646-401-0*	1.4 - 6"/35 - 150mm	0.00005"/0.001mm	\$339.94	\$255.00
Extensions				
52-646-450-0*	20" depth extension		\$84.89	\$75.00
52-646-475-0*	40" depth extension		106.12	95.00







# 調

Fowler's Bore Gage Setting Master Kit is used for accurately setting any bore gage up to 6"/150mm in diameter to an accuracy of 0.0001"/0.003mm

Includes:

case!

#### Each Set includes: Setting Device (53-646-000-1 - Inch Model)

· Base anvil: 3.950" x 1.050"

**Bore Gage Setting Master Kits - Inch & Metric** 

Adjustable anvil 2.375" x .375" (two each)

Internal capacity: 6"/150mm

Depth capacity: 1"/25mm

Centralizer capacity width: 2.750"

· Quick-release holder for fast adjustment

 Can also be used for external setting, depending on application (external mics, snap gages, caliper gages)

#### Economy Gage Block Sets Inch model:

 36 piece Tolerances to .00005"

Certificate of Calibration to NIST

#### Metric model:

- · 33 piece
- · AS-2 grade
- Certificate of Calibration to NIST



# Bore gage setting master and gage block set. All in a custom-fitted 53-646-000-1

Order No. Description 53-646-000-1\*

53-646-005-0\*

Inch Bore Gage Setting Master Kit Bore Gage Setting Master Kit - without Gage Blocks List Price \$315.68 182.07

\$225.00

160.00

# SHOP-BLOX®

# **Economy Rectangular Gage Block Sets**







- · Manufactured to meet Federal Specification ASME B89. 1.9 - 2002 tolerances on length for inch gage blocks
- · Certificate of Calibration traceable to NIST Tolerances to ± 0.00005"
- · In high-quality fitted wood case

Order No.	Description	List Price	Sale Price
53-672-036-0*	36 piece Economy Rectangular Gage Block Set	\$321.68	\$215.00
53-672-081-0*	81 piece Economy Rectangular Gage Block Set	550.18	395.00

- Accuracy of indicated values ± 0.003mm
- One compact, multi-function, precise standard
- Can be used to check and verify a multitude of measuring instruments
- Check height gages, calipers, micrometers, depth gages, bore gages, test and dial indicators, caliper gages, protractors, and more ...
- Supplied with a manufacturer's test certificate and fitted wood case
- · All sizes marked are actual

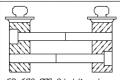
Order No. 53-813-015-0

Sale \$1320.00

List \$1677.49

### Long Rectangular Gage Blocks

- Fowler's long gage blocks are rectangular in shape, Grade Ø and supplied with an NIST certificate
- · Stackable using holding clamps



53-670-777-0 holding clamp set used for holding two large blocks together



Order No.	Description	List Price	Sale Price
53-675-216-0*	5" Gage Block	\$179.96	\$145.00
53-675-218-0*	6" Gage Block	218.51	180.00
53-675-220-0*	7" Gage Block	250.72	205.00
53-675-222-0*	8" Gage Block	282.81	230.00
53-675-224-0*	10" Gage Block	321.36	270.00
53-675-226-0*	12" Gage Block	340.64	290.00
53-675-228-0*	16" Gage Block	398.46	330.00
53-675-230-0*	20" Gage Block	507.78	425.00
53-670-008-0*	8 piece Gage Block Set	1572.50	1415.00
53-670-777-0*	Holding Clamp for two large blocks	103.58	75.00











Find us on social medial

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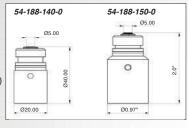
# **HIGH** Accuracy Z-Axis Detectors



For use in CNC Machines and other applications where high accuracy is required!



- High accuracy and repeatability, ± 0.000039"/0.001mm
- · IP67 protection
- · Carbide touch surface (0.196"/5mm)
- · High precision bearing guide system for long life
- · Interchangeable magnetic base
- · High visibility LED indicator
- · Movement stroke 0.078"/2mm
- Trigger force: 54-188-140-0, 1.0N (3.6 oz./100g) 54-188-150-0, 0.5N (1.8 oz./50g)
- Operation temperature +5°C to 50°C (40°F to 120°F)
- · Uses 2, 1.5V batteries (SR44 or LR44)
- · Battery life approximately 250 hours (on time)



Order No.	Model	Dimensions	List Price	Sale Price
54-188-140-0*	Metric	Height: 1.57"/40mm, Dia. 0.78"/20mm	\$265.00	\$240.00
54-188-150-0*	Inch	Height: 2"/50.8mm, Dia. 0.97"/24.638mm	265.00	240.00

# 2 Dimensional Coaxial Indicator Set - Inch

Use the 2D Coaxial Set for accurate component centering and positioning in most machining applications. The dial remains stationary during the rotation of the machine spindle.

- · Indicator assembly with 1.6" (42.5mm) diameter dial
- Graduations and revolution counter 0.0005" (.01mm)
- · 3 Internal and 3 External feelers
- · Center point feeler
- · Restraining arm







- Length: 6-7/8" (175mm)
- Shank: 3/8" dia. x 7/8" (10mm x 20mm) long
- · Feeler ball: 1/8" (3mm) dia.
- · Dial readings: 0-50
- · Measuring range: 0.250" (6mm) axis offset
- Speed—recommended not to exceed approx. 800 RPM
- · Repeatability to within 0.0002" (0.005mm) of true center
- · Capacity depends on feelers installed, but overall range is 5/32-12" (4-300mm) internal diameter; 0-12" (0-300mm) external diameter

Order No. 52-710-025-0\*



List \$253.62



## **Electronic Edge Finders**

- · Six equally spaced light ports provide visibility at any angle
- Made in the USA
- · Edge finder lights instantly when stylus touches work edge
- · Repeatability: 0.0002"
- · Works on any conductive metal







Along with light indication, model #54-575-650-0 emits an audible "beep" at time of contact.

Order No.	Stylus	Shank	Audible	Battery	List Price	Sale Price
54-575-600-0	0.200"	1/2"	NO	12 volt	\$37.54	\$32.00
54-575-625-0	0.200"	1/2"	NO	12 volt	138.52	115.00
54-575-650-0	0.400"	3/4"	YES	12 volt	138.52	115.00

### **Carbide Super Scriber**



· Lightweight · Retractable carbide tip · Knurled grip · Machined aluminum body · Pocket clip

Order No.	Description	Overall Length	List Price	Sale Price
52-500-050-0	Carbide Super Scriber	6.5"	\$35.66	\$28.50
52-500-055-0	Carbide Refill		10.92	9.50

#### Rules

#### **EZ-Read Black Face Rules**

- · Hardened stainless steel
- · White easy-to-read microfine graduations against a black, non-glare finish

52-297-006-0 52-330-006-0

#### Satin Chrome Rules

- · Tempered steel
- Non-glare
- · Sharp, easy-to-read microfine graduations



#### **GRADUATIONS** 4R: 8ths, 16ths, 32nds, 64ths 16R: 32nds, 64ths, 50ths, 100ths

#### **RIGID STEEL RULES**

Order No.	Finish	Size	Reading	List Price	Sale Price
52-330-006-0	Satin Chrome	6"	4R	\$14.46	\$12.50
52-337-006-0	Black	6"	4R	11.55	10.50
52-330-012-0	Satin Chrome	12"	4R	24.77	22.00
52-337-012-0	Black	12"	4R	22.27	19.00
52-350-006-0	Satin Chrome	6"	16R	12.17	10.50
52-338-006-0	Black	6"	16R	11.55	10.50
52-350-012-0	Satin Chrome	12"	16R	24.61	20.00
52-338-012-0	Black	12"	16R	19.67	15.50

#### **FLEXIBLE STEEL RULES**

Order No.	Finish	Size	Reading	List Price	Sale Price
52-295-006-0	Satin Chrome	6"	4R	\$11.99	\$10.50
52-297-006-0	Black	6"	4R	10.82	9.50
52-295-012-0	Satin Chrome	12"	4R	21.65	19.00
52-297-012-0	Black	12"	4R	17.48	15.50
52-308-006-0	Black	6"	16R	10.51	9.50
52-310-006-0	Satin Chrome	6"	16R	12.38	10.50
52-308-012-0	Black	12"	16R	17.48	15.50
52-310-012-0	Satin Chrome	12"	16R	21.95	20.00















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52-439-234-0

- · 23 holes for easy clamping
- 52-439-001-0 features one hole only
- · Sold in pairs
- · Hardened 56 60 HRC
- · Useful in layout & grinding work

Order No.	Description	Accuracy	List Price	Sale Price
52-439-001-0*	1-2-3 Blocks	± 0.0002"/1"	\$145.59	\$99.00
52-439-234-0*	2-3-4 Blocks	± 0.0001"/1"	96.90	85.00
52-439-246-0*	2-4-6 Blocks	± 0.0003"/1"	224.62	130.00

# X-BLOX V-Block Set

#### 2 each @:

- Dimensions: 1-1/2" L x 1-1/4" W x 1-1/4" H
- Work capacity: Approximately 1"
- 2 each @:
- Dimensions: 2" L x 1-1/2" W x 1-1/2" H
- · Work capacity: 1-1/2"

#### All feature:

- Surfaces are square and parallel within 0.0005"
- V-grooves are square and parallel with all surfaces within 0.0005"
- Corresponding dimensions for each pair are alike within 0.0005"

this product " J.B

"You will not

go wrong buying

Order No. 52-475-500-0

Sale \$120.00

List \$136.39

### **Parallel Set**

- 1/2", 5/8", 3/4", 7/8", 1", 1-1/8", 1-1/4", 1-3/8", 1-1/2" & 1-5/8" heights
- · 6" in length
- · Height specifications relate to consistency within each pair. Absolute heights are nominal
- · Hardness: 50 HRC, 6" length and 1/32" thickness
- Parallelism: ± 0.0002"
- Paired Height: ± 0.001"



Order No. 52-437-000-0

Sale \$18

List \$243.03

## Cylindrical **Squares**

- · Used for checking squares, height
- gages and other instruments · Hardened and the ends are lapped to 90° angular accuracy
- 6" cylindrical squares: ± 0.0001"
- 12" cylindrical square: ± 0.00015"
- · Includes handles and wood case





Order No. Description List Price Sale Price 52-750-006-0\* \$200.91 \$165.00 52-750-012-0\* 12" 286.94 240.00





## **Tool Presetter**

Quick checking of heights and diameters (radius) of all kinds of tools such as ISO, BT, HSK, VDIA etc. is guaranteed by a fixed precise steel measuring column with displacement devices in coordinates (X/Z) and constant measuring force.

#### **Tool Holding Spindle**

Tool presetter is supplied with high precision imported ball cage bearing (Grade 0). High precision spindle has:

Less than 2 μm concentricity error



#### Display

- MIN/MAX function
- · 2 reference indications
- · Measuring value display
- Function for PRESET value and TOLERANCE value inputs
- Tolerance mode indication
- · Measuring unit (MM/INCH) indication
- · Low battery warning indication
- · Display hold
- · Output OPTO RS232 for each axis
- · Floating zero function
- · Carbide measuring insert
- · Accepts measuring probes with 8mm shank

#### **Additional Features**

- Counter balanced measuring carriage
- · Constant measuring force of horizontal measuring arm ensures high accuracy
- High precision Sylvac measuring system

#### **Applications**

Fowler

NEW!



Height Measurement



Diameter/Radius Measurements



Checking of a Runout

	THOUSAN CHARLE		
Order No.	Description	List Price	Sale Price
54-188-300-0	Tool Presetter	\$9950.00	\$9450.00
54-121-000-0	ISO 50/45 Tool Pot Adaptor	1120.00	
54-121-005-0	ISO 50/40 Tool Pot Adaptor	615.00	
54-121-010-0	ISO 50/35 Tool Pot Adaptor	1120.00	
54-121-015-0	ISO 50/30 Tool Pot Adaptor	870.00	
54-188-333-0	ISO 50 Setting Gage	500.00	
54-188-335-0	ISO 40 Setting Gage	450.00	

